

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4432a**Specification****Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Product Information**

Application	WB, IHC, Pep-ELISA
Primary Accession	P17174
Other Accession	NP_002070.1
Reactivity	Human, Rat
Host	Goat
Clonality	Polyclonal
Calculated MW	46248

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Additional Information**Gene ID** 2805**Other Names**

GOT1; glutamic-oxaloacetic transaminase 1; AST1; ASTQTL1; GIG18; cAspAT; cCAT; aspartate aminotransferase 1; aspartate transaminase 1; cysteine aminotransferase, cytoplasmic; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; gluta

Dilution

WB~~1:1000
IHC~~1:100~500
Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Protein Information**Name** GOT1 ([HGNC:4432](#))**Function**

Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed:21900944). Important

regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. Acts as a scavenger of glutamate in brain neuroprotection. The aspartate aminotransferase activity is involved in hepatic glucose synthesis during development and in adipocyte glyceroneogenesis. Using L-cysteine as substrate, regulates levels of mercaptopyruvate, an important source of hydrogen sulfide. Mercaptopyruvate is converted into H₂S via the action of 3-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain. In addition, catalyzes (2S)-2- aminobutanoate, a by-product in the cysteine biosynthesis pathway (PubMed:27827456).

Cellular Location

Cytoplasm.

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Images